Erika Ferrari

List of Publications by Year
in descending order

62 papers	1,887 citations	257101 24 h-index	276539 41 g-index
63 all docs	63 docs citations	63 times ranked	2851 citing authors

#	Article	IF	Citations
1	Curcuminoids as potential new iron-chelating agents: spectroscopic, polarographic and potentiometric study on their Fe(III) complexing ability. Inorganica Chimica Acta, 2002, 328, 61-68.	1.2	168
2	Curcumin derivatives: Molecular basis of their anti-cancer activity. Biochemical Pharmacology, 2009, 78, 1305-1315.	2.0	160
3	Theoretical study on Curcumin: A comparison of calculated spectroscopic properties with NMR, UVâ€“vis and IR experimental data. Journal of Molecular Structure, 2008, 892, 168-176.	1.8	94
4	Newly Synthesized Curcumin Derivatives: Crosstalk between Chemico-physical Properties and Biological Activity. Journal of Medicinal Chemistry, 2011, 54, 8066-8077.	2.9	78
5	Adulteration of the anthocyanin content of red wines: Perspectives for authentication by Fourier Transform-Near InfraRed and 1H NMR spectroscopies. Analytica Chimica Acta, 2011, 701, 139-151.	2.6	74
6	Synthesis, cytotoxic and combined cDDP activity of new stable curcumin derivatives. Bioorganic and Medicinal Chemistry, 2009, 17, 3043-3052.	1.4	73
7	Synthesis and Characterization of⁶⁸Ga-Labeled Curcumin and Curcuminoid Complexes as Potential Radiotracers for Imaging of Cancer and Alzheimerâ€™s Disease. Inorganic Chemistry, 2014, 53, 4922-4933.	1.9	71
8	Curcumin release from cerium, gallium and zinc containing mesoporous bioactive glasses. Microporous and Mesoporous Materials, 2013, 180, 92-101.	2.2	64
9	Curcumin derivatives as metal-chelating agents with potential multifunctional activity for pharmaceutical applications. Journal of Inorganic Biochemistry, 2014, 139, 38-48.	1.5	62
10	Investigating the effects of wettability and pore size distribution on aggregate stability: the role of soil organic matter and the humic fraction. European Journal of Soil Science, 2012, 63, 152-164.	1.8	59
11	bis-Dehydroxy-Curcumin Triggers Mitochondrial-Associated Cell Death in Human Colon Cancer Cells through ER-Stress Induced Autophagy. PLoS ONE, 2013, 8, e53664.	1.1	56
12	Effect of soil pH on the chemical composition of organic matter in physically separated soil fractions in two broadleaf woodland sites at Rothamsted, UK. European Journal of Soil Science, 2010, 61, 970-979.	1.8	48
13	TGâ€“DTA, DRIFT and NMR characterisation of humic-like fractions from olive wastes and amended soil. Journal of Hazardous Materials, 2007, 149, 408-417.	6.5	43
14	DRIFT and HR MAS NMR characterization of humic substances from a soil treated with different organic and mineral fertilizers. Journal of Molecular Structure, 2011, 998, 216-224.	1.8	42
15	Solvent effect on ketoâ€“enol tautomerism in a new Î²-diketone: a comparison between experimental data and different theoretical approaches. New Journal of Chemistry, 2011, 35, 2840.	1.4	38
16	Metal binding ability of curcumin derivatives: a theoretical vs. experimental approach. Dalton Transactions, 2013, 42, 5304.	1.6	36
17	Sugar complexes with metal2+ ions: thermodynamic parameters of associations of Ca2+, Mg2+ and Zn2+ with galactaric acid. Carbohydrate Research, 2001, 336, 55-61.	1.1	32
18	The role of coordination chemistry in the development of innovative gallium-based bioceramics: the case of curcumin. Journal of Materials Chemistry, 2011, 21, 5027.	6.7	32

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19	Potent Anti-Cancer Properties of Phthalimide-Based Curcumin Derivatives on Prostate Tumor Cells. International Journal of Molecular Sciences, 2019, 20, 28.	1.8	31
20	Development of an Electrochemical Sensor for NADH Determination Based on a Caffeic Acid Redox Mediator Supported on Carbon Black. Chemosensors, 2015, 3, 118-128.	1.8	29
21	Curcumin derivatives and AÎ²-fibrillar aggregates: An interactionsâ€™ study for diagnostic/therapeutic purposes in neurodegenerative diseases. Bioorganic and Medicinal Chemistry, 2018, 26, 4288-4300.	1.4	29
22	Synthesis and characterization of new Î²-diketo derivatives with iron chelating ability. Journal of Inorganic Biochemistry, 2007, 101, 203-213.	1.5	28
23	ZFP36 expression impairs glioblastoma cell lines viability and invasiveness by targeting multiple signal transduction pathways. Cell Cycle, 2012, 11, 1977-1987.	1.3	27
24	Probing soluteâ€“solvent hydrogen bonding with fluorescent water-soluble curcuminoids. Journal of Photochemistry and Photobiology A: Chemistry, 2010, 210, 115-124.	2.0	24
25	Binding ability of sialic acid towards biological and toxic metal ions. NMR, potentiometric and spectroscopic study. Journal of Inorganic Biochemistry, 2002, 88, 61-68.	1.5	23
26	Iron(III) complexing ability of carbohydrate derivatives. Journal of Inorganic Biochemistry, 2004, 98, 1002-1008.	1.5	23
27	Concurrent inhibition of enzymatic activity and NF-Y-mediated transcription of Topoisomerase-IIÎ± by bis-DemethoxyCurcumin in cancer cells. Cell Death and Disease, 2013, 4, e756-e756.	2.7	23
28	Spectroscopic-Chemical Fingerprint and Biostimulant Activity of a Protein-Based Product in Solid Form. Molecules, 2018, 23, 1031.	1.7	22
29	Amide group coordination to the Hg2+ ion. Potentiometric, 1H NMR and structural study on Hg2+â€“N-protected amino acid systemsâ€Šâ€. Dalton Transactions RSC, 2001, , 1513-1519.	2.3	21
30	Combined Effect of Cadmium and Lead on Durum Wheat. International Journal of Molecular Sciences, 2019, 20, 5891.	1.8	21
31	Phytochemical compounds or their synthetic counterparts? A detailed comparison of the quantitative environmental assessment for the synthesis and extraction of curcumin. Green Chemistry, 2016, 18, 1807-1818.	4.6	20
32	Snow vole (Chionomys nivalis Martins) affects the redistribution of soil organic matter and hormoneâ€like activity in the alpine ecosystem: ecological implications. Ecology and Evolution, 2015, 5, 4542-4554.	0.8	19
33	Excited-State Dynamics of Bis-dehydroxycurcumin Carboxylic Acid, a Water-Soluble Derivative of the Photosensitizer Curcumin. Journal of Physical Chemistry A, 2012, 116, 9321-9330.	1.1	18
34	Synthesis, chemical and biological studies on new Fe3+-glycosilated Î²-diketo complexes for the treatment of iron deficiency. European Journal of Medicinal Chemistry, 2008, 43, 2549-2556.	2.6	17
35	Cloning, expression, and physicochemical characterization of a new diheme cytochrome c from Shewanella baltica OS155. Journal of Biological Inorganic Chemistry, 2011, 16, 461-471.	1.1	17
36	Uptake of Ga-curcumin derivatives in different cancer cell lines: Toward the development of new potential 68 Ga-labelled curcuminoids-based radiotracers for tumour imaging. Journal of Inorganic Biochemistry, 2017, 173, 113-119.	1.5	17

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37	Gallium-68 and scandium-44 labelled radiotracers based on curcumin structure linked to bifunctional chelators: Synthesis and characterization of potential PET radiotracers. Journal of Inorganic Biochemistry, 2020, 204, 110954.	1.5	17
38	From solid state to in vitro anticancer activity of copper(<scp>ii</scp>) compounds with electronically-modulated NNO Schiff base ligands. Dalton Transactions, 2020, 49, 14626-14639.	1.6	17
39	Hg(II)-coordination by sugar-acids: Role of the hydroxy groups. Journal of Inorganic Biochemistry, 2005, 99, 2381-2386.	1.5	15
40	Affinity of nat/68Ga-Labelled Curcumin and Curcuminoid Complexes for Î²-Amyloid Plaques: Towards the Development of New Metal-Curcumin Based Radiotracers. International Journal of Molecular Sciences, 2016, 17, 1480.	1.8	15
41	In vitro study on potential pharmacological activity of curcumin analogues and their copper complexes. Chemical Biology and Drug Design, 2017, 89, 411-419.	1.5	15
42	Co-ordination of transition metal ions by galactaric acid: a potentiometric and spectroscopic study. Journal of Inorganic Biochemistry, 2002, 92, 121-127.	1.5	13
43	1H, 13C, 195Pt NMR study on platinum(II) interaction with sulphur containing Amadori compounds. Polyhedron, 2007, 26, 4045-4052.	1.0	13
44	Synthesis and characterization of glucosyl-curcuminoids as Fe3+ suppliers in the treatment of iron deficiency. BioMetals, 2009, 22, 701-710.	1.8	13
45	SiO2-CaO-P2O5 Bioactive Glasses: A Promising Curcuminoids Delivery System. Materials, 2016, 9, 290.	1.3	13
46	Process Intensification by Experimental Design Application to Microwave-Assisted Extraction of Phenolic Compounds from Juglans regia L.. Food Analytical Methods, 2017, 10, 575-586.	1.3	13
47	Glycosyl-Curcuminoids as Potential New Chelating Agents in Iron Overload Chelation Therapy. European Journal of Inorganic Chemistry, 2004, 2004, 646-652.	1.0	12
48	New curcumin-derived ligands and their affinity towards Ga³⁺, Fe³⁺ and Cu²⁺: spectroscopic studies on complex formation and stability in solution. New Journal of Chemistry, 2018, 42, 7680-7690.	1.4	12
49	Development of a Potential Gallium-68-Labelled Radiotracer Based on DOTA-Curcumin for Colon-Rectal Carcinoma: From Synthesis to In Vivo Studies. Molecules, 2019, 24, 644.	1.7	11
50	New Synthetic Glucosyl-Curcuminoids, and their 1H and 13C NMR Characterization, from Curcuma longa L.. Plant Foods for Human Nutrition, 2009, 64, 224-229.	1.4	10
51	Applications of Radiolabelled Curcumin and Its Derivatives in Medicinal Chemistry. International Journal of Molecular Sciences, 2021, 22, 7410.	1.8	10
52	Boosting sunscreen stability: New hybrid materials from UV filters encapsulation. Microporous and Mesoporous Materials, 2021, 328, 111478.	2.2	8
53	Antibacterial phototoxic effects of synthetic asymmetric and glycosylated curcuminoids in aqueous formulations. Journal of Photochemistry and Photobiology B: Biology, 2014, 140, 150-156.	1.7	7
54	How glucosylation triggers physicalâ€“chemical properties of curcumin: an experimental and theoretical study. Journal of Physical Organic Chemistry, 2011, 24, 299-310.	0.9	6

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55	From Field to Shelf: How Microwave-Assisted Extraction Techniques Foster an Integrated Green Approach. , 0, , .		6
56	Curcumin-Based Î²-Diketo Ligands for Ga3+: Thermodynamic Investigation of Potential Metal-Based Drugs. Pharmaceuticals, 2022, 15, 854.	1.7	6
57	NMR study on Pt(II) interaction with Amadori compounds. Inorganica Chimica Acta, 2007, 360, 3119-3122.	1.2	5
58	Excited state dynamics of bis-dehydroxycurcumin tert-butyl ester, a diketo-shifted derivative of the photosensitizer curcumin. PLoS ONE, 2017, 12, e0175225.	1.1	4
59	Characterization and metal affinity of Tirofiban, a pharmaceutical compound used in acute coronary syndromes. BioMetals, 2004, 17, 145-155.	1.8	3
60	Curcumin Derivatives as Metal-Chelating Agents: Implications for Potential Therapeutic Agents for Neurological Disorders. , 2019, , 275-299.		3
61	Synthesis, characterization and metal coordination of a potential Î²-lactamase inhibitor: 5-Methyl-2-phenoxymethyl-3- H -imidazole-4-carboxylic acid (PIMA). Arabian Journal of Chemistry, 2017, 10, 1061-1069.	2.3	1
62	25th Anniversary of Moleculesâ€"Recent Advances in Inorganic Chemistry. Molecules, 2021, 26, 2589.	1.7	0